USER MANUAL

PCI TV Tuner with FM Radio

(ENLTV-FM3)

PCI TV Tuner

(ENLTV-3)

MAKING CONNECTIONS easy

ENCORE ELECTRONICS

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Chapter 1: Introduction

1.1 — Package Contents

The following items are included in the package.

- PCI TV Tuner Adapter with FM Radio* x1 (** only in ENLTV-FM3*)
- FM Antenna**, 265cmx1 (***only in ENLTV-FM3*)
- PCI TV Tuner Adapter*** (**** only in ENLTV-3*)
- Installation CD
- User's Guide x1
- Remote Control x1
- Remote Control Receiver, 105cm x1
- Video Cable, 150cm x1 (*yellow RCA plug*)
- Audio-out to Audio-in cable****, 30cm x1

  (*3.5mm phone jack / ****only required in Linux® system*)

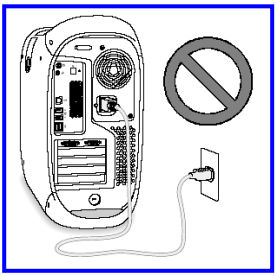
1.2 — System Requirements

- **CPU**: Intel® Pentium® 4 1.7GHz or above
- **RAM**: minimum 256 MB
- **Hard Disk Space**: minimum 1GB available
- **Graphic Card**: 1024x768 or above, compatible with DirectX® 9.0c or above
- **Operating System**: Microsoft Windows® 7 / XP; Windows Vista®
- **Operating System**: Linux® Kernel version 2.6.18 or above
- **Free PCI Slot**: PCI 2.1 or 2.2 compliant
- **CD-ROM Drive**: for driver and software installation

Chapter 2: Hardware and Software Installation

2.1 — Installing Hardware

Install the PCI TV Tuner card to the computer's available PCI slot according to your computer's user manual and new hardware installation instructions.



Note:

Make sure the computer's **power cord is unplugged** before inserting the TV Tuner card to the PCI slot.

*

A. — Listening to TV Audio

In Windows®: Connecting the TV antenna or cable TV to the TV tuner is enough. **DO NOT** connect the Audio Line-Out on TV tuner to Audio Line-In on sound card.

In Linux®: Connect the TV antenna or cable TV to the TV tuner **AND** connect the **Audio Line-Out on TV tuner** to **Audio Line-In on sound card**.

B. — Listening to Audio from Other Video Devices

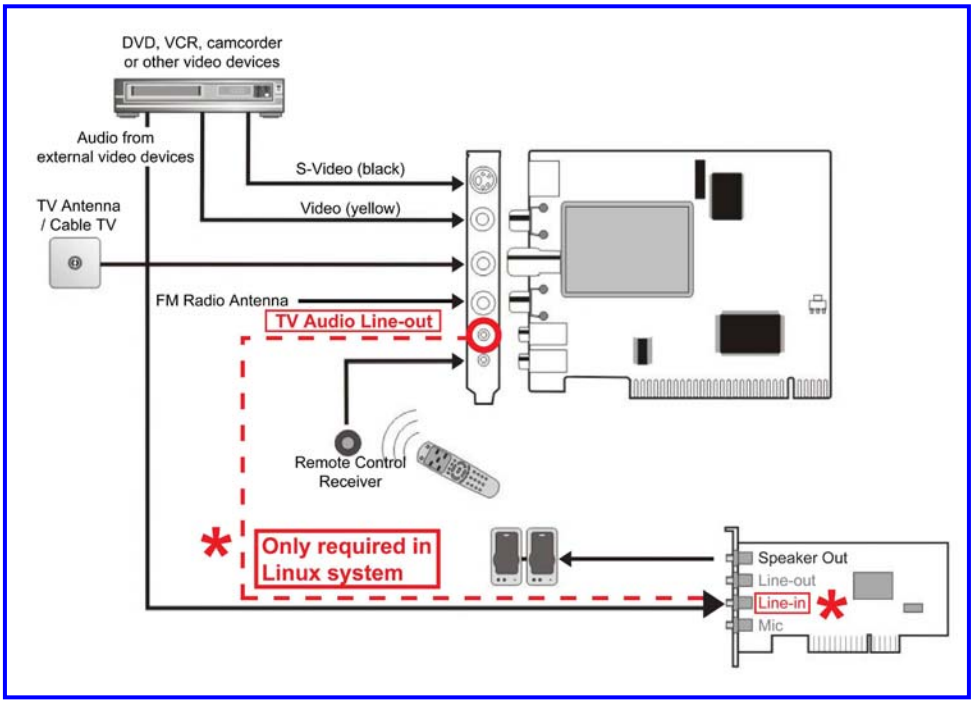
In Windows®: Connect the Audio-Out on **external video devices** to your **Line-in** on **sound Card**.

In Linux®: Same as in Windows®.

Note:

Do not insert or remove the **Remote Control Sensor Cable** while the computer is **powered-on**. Otherwise, it may cause the TV tuner to malfunction.

Connection Diagram



* Only in Linux®: connect the Audio Line-Out on TV tuner to Audio Line-In on sound card.

** Only ENLTV-FM3 has FM antenna port.

*** **Do not** insert or remove the **Remote Control Sensor Cable** while the computer is **powered-on**. Otherwise, it may cause the TV tuner to malfunction.

2.2 — Installing Driver

After the hardware is properly installed in your desktop PC, you can start installing the TV Tuner driver and utility software. Please use the Installation CD that comes in the package. Follow the on-screen instructions and the guidance below.

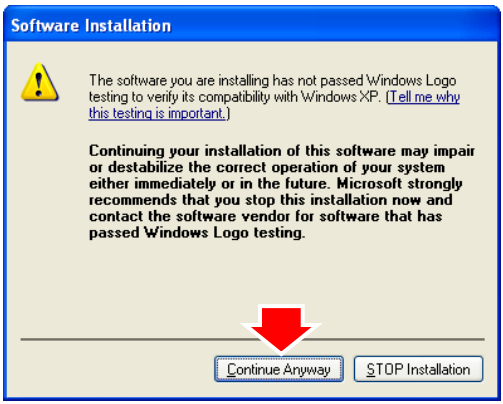
A. — Windows® XP

1. After properly installed the hardware, please turn on your PC. The "Found New Hardware Wizard" window will appear since no driver is installed yet. Click "**Cancel**" to close the "Found New Hardware Wizard" window.

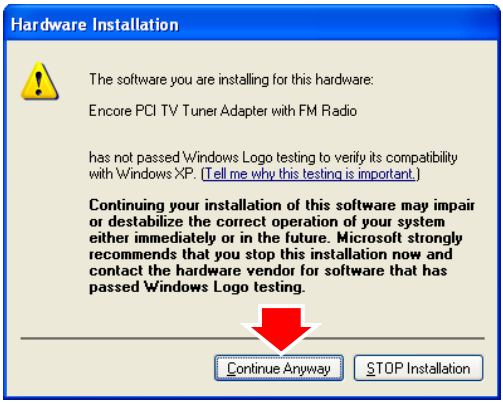
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

2. Insert the Installation CD into the CD-ROM drive. The setup screen will automatically appear.
3. Click the " **Setup Driver**" icon.
4. Follow the on-screen instructions.

5. Click "**Continue Anyway**" when you see this notification — *"The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP."*


Software Installation
The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

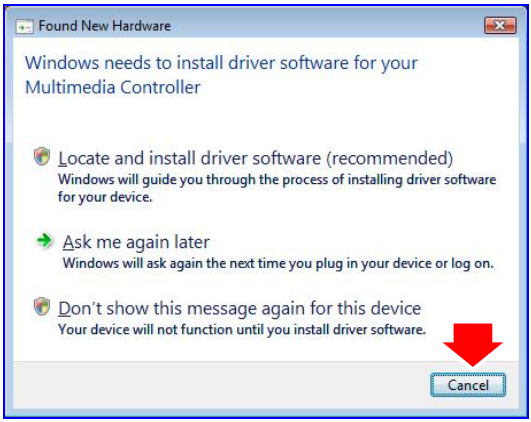
6. Click "**Continue Anyway**" again, when you see this notification — *"The software you are installing for this hardware has not passed Windows Logo testing to verify its compatibility with Windows XP."*


Hardware Installation
The software you are installing for this hardware:
Encore PCI TV Tuner Adapter with FM Radio
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

7. Click "**Finish**" when you see this notification — *"Completing the Device Driver Installation Wizard."*
8. Click "**Finish**" again, when you see this notification — *"InstallShield Wizard Complete."*
9. We recommend you to reboot the computer after driver installation.

B. — Windows Vista®

1. After properly installed the hardware, please turn on your PC. The *"Found New Hardware Wizard*" window will appear since no driver is installed yet. Click "**Cancel**" to close the "*Found New Hardware Wizard*" window.


Found New Hardware
Windows needs to install driver software for your Multimedia Controller
Locate and install driver software (recommended)
Windows will guide you through the process of installing driver software for your device.
Ask me again later
Windows will ask again the next time you plug in your device or log on.
Don't show this message again for this device
Your device will not function until you install driver software.
Cancel

2. Insert the Installation CD into the CD-ROM drive. The setup screen will automatically appear.
3. Click the " **Setup Driver**" icon.
4. Follow the on-screen instructions.
5. Click "**Finish***"* when you see this notification — *"Completing the Device Driver Installation Wizard."*
6. Click "**Finish**" again, when you see this notification — *"InstallShield Wizard Complete."*
7. We recommend you to reboot the computer after driver installation.

C. — Is the driver properly installed in Windows®?

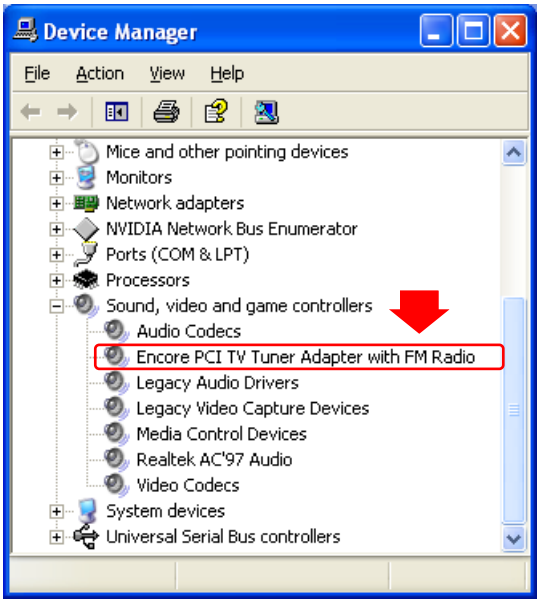
To examine if the driver is properly installed, you can go to “Device Manager” in Windows®.

To locate “Device Manager” in Windows®

XP: Start→Settings→Control Panel→System→Hardware tab→Device Manager

Vista: Start→Settings→Control Panel→ Device Manager

Then, open “**Sound, video and game controllers**” and you should see “Encore PCI TV Tuner Adapter with FM Radio” now.



If there is any yellow or red warning sign under “Sound, Video and Game Controllers,” you should uninstall the driver with the warning sign, reboot the computer, and install the driver again.

If the warning sign remains after reinstalling the driver, you should uninstall the driver again, remove and put back the card in question from your PC **while it is shutdown**, and reinstall the driver again.

2.3 — Installing DirectX®

Microsoft DirectX® allows 3D hardware acceleration support in Windows® XP / 2000 / 98. You **do not** need to install DirectX in Windows® 7 and Windows Vista™.

1. Insert the Installation CD into the CD-ROM drive. The setup screen will automatically appear.
2. Click the " **DirectX**" icon.
3. Follow the on-screen instructions.

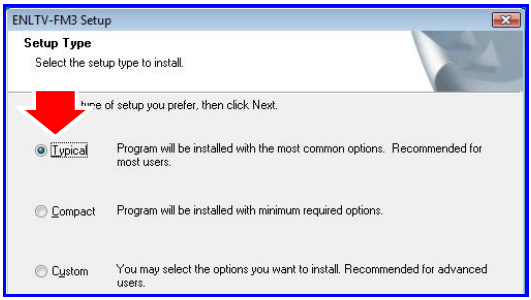
Caution:

4. Before you click "**Finish**" on the last window, please save your work and then close all applications. Your PC will reboot automatically after you click "**Finish**."

2.4 — Installing ENLTV-FM3 / ENLTV-3 Utility Programs

1. Insert the installation CD into the CD-ROM drive. The setup screen will automatically appear.
2. Click the " **Setup Utility**" icon.
3. Follow the on-screen instructions.

4. In the “Setup Type” window, we recommend you always selecting “**Typical.**”


ENLTV-FM3 Setup
Setup Type
Select the setup type to install.
Typical
Program will be installed with the most common options. Recommended for most users.
Compact
Program will be installed with minimum required options.
Custom
You may select the options you want to install. Recommended for advanced users.

5. In the “Choose Destination Location” window, click “**Next**” to accept the default location or click “**Browse**” to choose a different folder. We recommend you always choosing the default location.

Note:

The default path for video and audio files is

C:\Documents and Settings\username\My Documents\My Videos

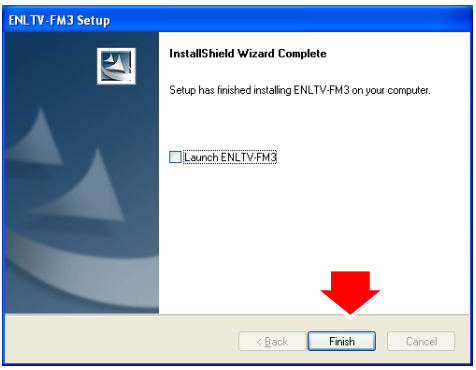
The default path for snapshots is

C:\Documents and Settings\username\My Documents\My Pictures

6. Follow the on-screen instructions.

Note:

7. On the last window, “InstallShield Wizard Complete,” you have the option to start the program immediately by checking the box next to it. However, we recommend you not to select this option and click “**Finish**” directly. Subsequently, we recommend you to reboot the computer before you run the **ENLTV-FM3 / ENLTV-3** utility program for the first time.



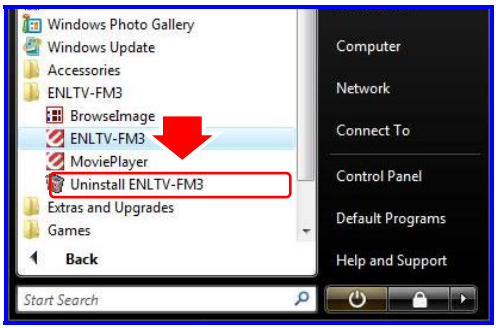
2.5 — Uninstalling ENLTV-FM3 / ENLTV-3 Utility Programs

There are two ways to uninstall the Utility programs. The procedures are the **same in both ENLTV-FM3 and ENLTV-3**.

1. **The preferred method**. Go to

   "Start → All Programs → ENLTV-FM3 → **Uninstall ENLTV-FM3**"

   Sample Start Menu in Windows Vista®

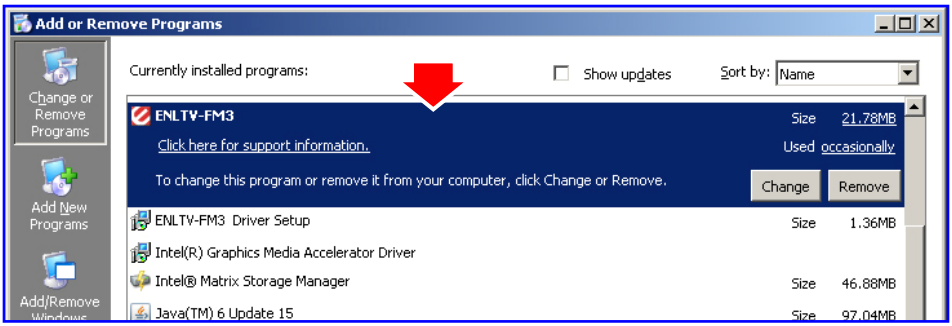


2. Go to

   "Start → Control Panel → Add or Remove Programs."

   Select ENLTV-FM3 and click the "**Remove**" button.

   Sample "Add or Remove Programs" window in Windows® XP

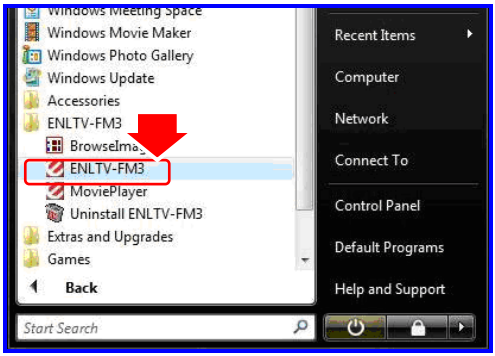


Chapter 3: Getting Started

Running ENLTV-FM3 / ENLTV-3 Program for the First Time and Searching for TV Channels

1. To start the **ENLTV-FM3** utility program, go to "**Start**" → "**ENLTV-FM3**" folder "**ENLTV-FM3**" utility program.

Sample "Start Menu" in Windows Vista®



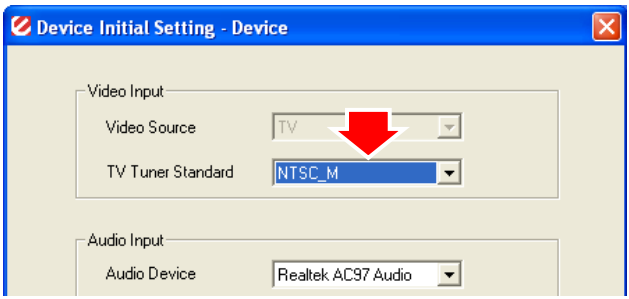
Note:

2. When the **ENLTV-FM3 / ENLTV-3** utility program is started for the first time, it will prompt you to go over the "**Device Initial Setting**."

3. First is to setup the **Device**:

   A. You need to select the video signal format in your country (NTSC, PAL or SECAM) from the "TV Tuner Standard" drop-down menu, under the "Video Input" section.
   B. Skip the "Audio Input" section. Then, click "**Next**."

4.

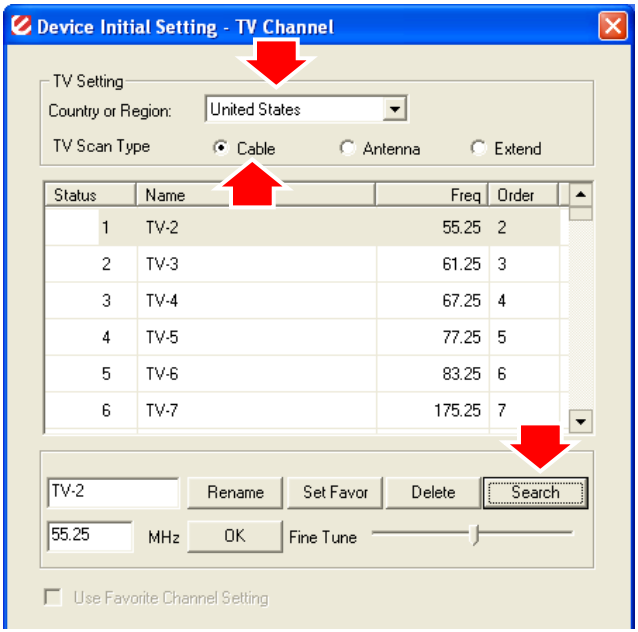


Second is to search for **TV Channel**:

A. Choose the "**Country**" you are in.

B. Choose "TV Scan Type:" **Cable**, **Antenna** or **Extend**.
(This is based on whether you are connecting to a TV antenna or cable TV. If you do not know the connection type, you can choose **Extend**. However, Extend will take the longest time to search for channels.)

C. Click "**Search**."



D. Click "**Next**" after search is done.

5. Third is to configure **Record** properties:

Note:
We recommend you keeping the default settings, except **Time Displacement** under "Motion Capture Setting."

Storage Location:

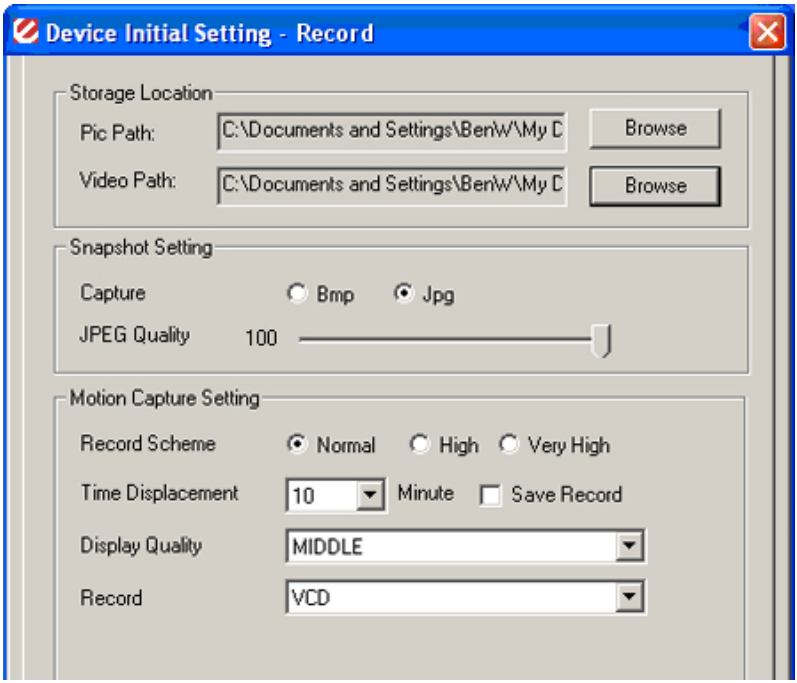
- **Pic Path** is where the snapshots are stored.
- **Video Path** is where the recorded videos are stored.
(Please refer to Page-11 for default locations.)

Snapshot Setting:

- You can select **BMP** or **JPG** format.

Motion Capture Setting:

- **Record Scheme** is the video quality of **Time-Shift Recording**. For more details, please refer to Page-21.
- **Time Displacement** is the duration limit of **Time-Shift Recording**. The default is 10 minutes. We strongly recommend you to change it to **60 minutes**. Also, check the **Save Record** box if you want to view the Time-Shift Recording videos in ENLTV-FM3 / ENLTV-3 **MoviePlayer**.
- **Display Quality** determines the video quality on computer monitor.
- **Record** determines the quality of normally recorded videos (not Time-Shift Recording).



Chapter 4: Using ENLTV-FM3 / ENLTV-3

4.1 — Overview

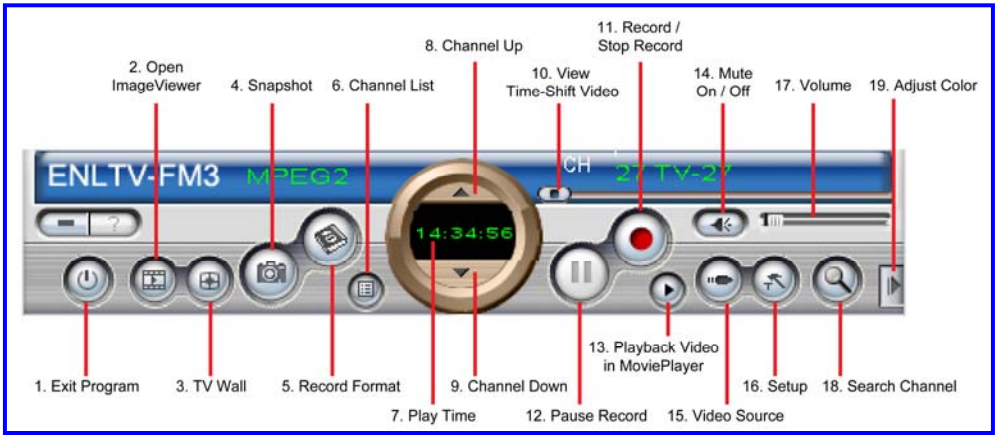
Note:

* You can **double-click** the **Display Window** and view in **full-screen**.

** The **Right-Click Menu** is enlarged for illustration purpose. The real menu will be relatively smaller on your screen.

A. — Control Panel Overview

A. Regular Control Panel

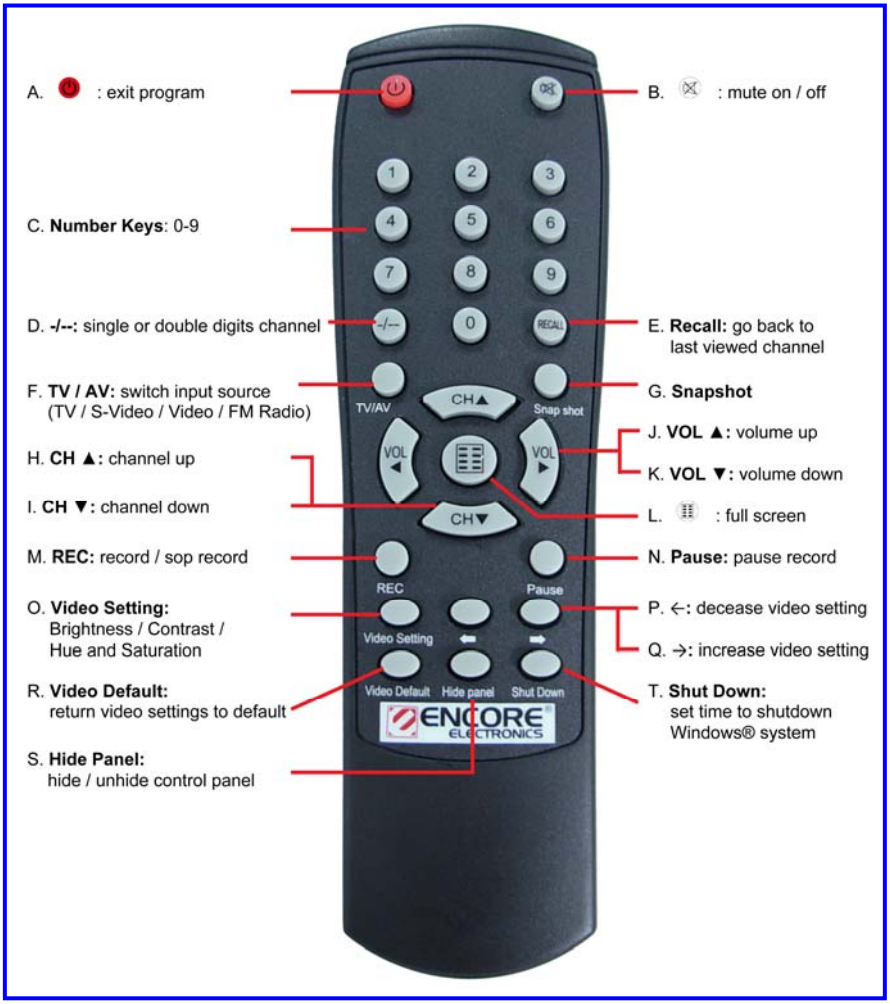


B. Control Panel in Full-Screen*

Note:

The number of each function in illustration **B. Control Panel in Full-Screen** is the **same** as the corresponding function in illustration **A. Regular Control Panel**.

B. — Remote Control Overview

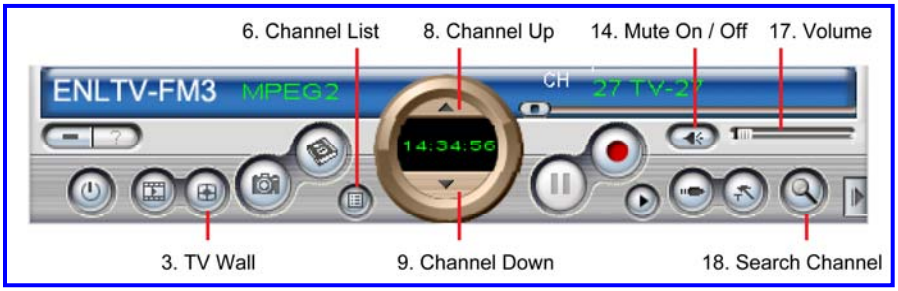


Note:

* You have to point the Remote Control directly at the Remote Control Receiver. It is a good idea to place the Remote Control Receiver on top of your monitor.

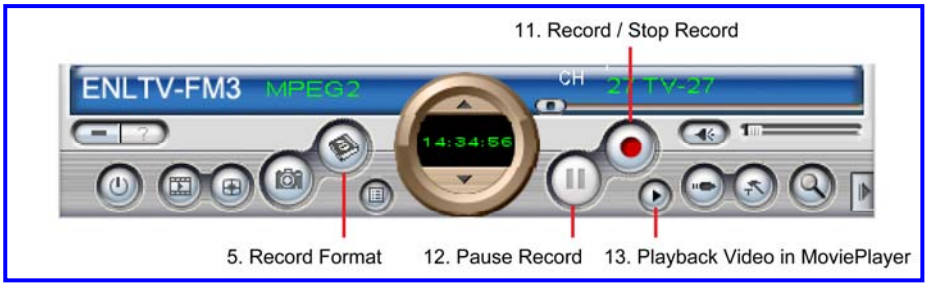
** **Do not** insert or remove the **Remote Control Sensor Cable** while the computer is **powered-on**. Otherwise, it may cause the TV tuner to malfunction.

4.2 — Watching TV Shows



- There are 4 ways to change TV channels:
  1. Click **(8) Channel Up** or **(9) Channel Down** to move one channel at a time. Or, press **[H] CH ▲** and **[I] CH ▼** on the Remote Control.
  2. Click **(6) Channel List** and select a specific channel.
  3. With the Remote Control: First, press **[D] -/--** to determine the channel number you will input has single, double or triple digits. Second, key in the channel with **[C] Number Keys: 0-9**.
  4. Right-Click Menu only: click **All Channel** to select a specific channel.
- To go back to the last viewed channel, press **[E] Recall** on the remote or select **Last Channel** on the Right-Click Menu.
- To preview what are playing in the next 16 channels, click **(3) TV Wall**. By clicking on one of the channel thumbnails, you will go to that channel you selected.
- To scan TV channels, click **(18) Search Channel**.
- To adjust volume, slide the **(17) Volume** bar or press **[J] VOL ▲** or **[K] VOL ▼** on the Remote Control.
- To mute audio, click **(14) Mute On / Off** or press **[B]** on the Remote Control.

4.3 — Recording TV Shows

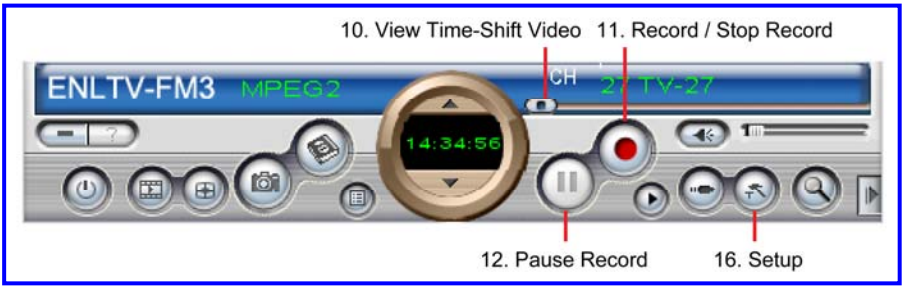


- To start or stop recording, click **(11) Record / Stop Record** or press **[M] REC** on the Remote Control.
- To pause recording, click **(12) Pause Record** or press **[N] Pause** on the Remote Control.
- To view recorded TV, click **(13) Playback Video in MoviePlayer** (not Windows Media Player®). (**Note:** To use ENLTV-FM3 / ENLTV-3 **MoviePlayer**, please refer to Page-24.)
- To change record quality, click **(5) Record Format**. You will be able to select:

Mpeg1, **Mpeg2**, **VCD**, **SVCD**, **DVD** or **HIDVD**.
(normal video quality → best video quality)

4.4 — Using Time-Shift Recording on Live TV

(Pause / Forward / Rewind live TV broadcast)



Note:

The default duration for Time-Shift recording is 10 minutes. We recommend you to change the duration to 60 minutes. To do so, 1st click **(16) Setup**, 2nd select the **Record** tab on the top, 3rd change **Time Displacement** to **60 minutes**, under the **Motion Capture Setting** section.

In addition, we recommend you always enabling the **Save Video** feature, under the **Motion Capture Setting** section (the default is disabled). Accordingly, you can watch the Time-Shift recording in ENLTV-FM3 / ENLTV-3 **MoviePlayer** (not the Windows Media Player®) after the Time-Shift recording is stopped.

- To enable Time-Shift recording, you need to select **TimeShift** from the **Right-Click Menu** first.
- To start Time-Shift recording, click **(11) Record / Stop Record**.

Note: A "gray bar" will appear and extend to the right on **(10) View Time-Shift Video**. The gray bar will stop at the end on the right once the Time-Shit recording reaches its duration limit.

- To stop Time-Shift recording at anytime, click **(11) Record / Stop Record** again.
- To pause live TV during Time-Shift recording, click **(12) Pause Record**.
- To resume paused live TV, click **(12) Pause Record** again.
- To rewind or forward to a specific time of the live TV during Time-Shift recording, slide the gray bar on **(10) View Time-Shift Video**. However, you cannot fast forward a live TV broadcast beyond what is playing on TV in real-time.

Note:

The TV window will **freeze** once the Time-Shift recording reaches its duration limit. Simply click on the TV window again to continue watching live TV. If you want to continue using Time-Shift recording, click **(11) Record / Stop Record** again.

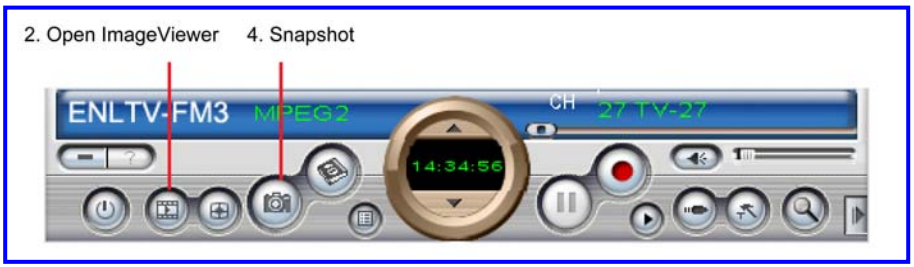
A. — Using Time-Shift Recording to Skip TV Commercials

Start Time-Shift recording and wait for 3 to 5 minutes. Then, slide the gray bar of **(10) View Time-Shift Video** to the end on the left. This will allow you to start the TV shows from the beginning. Subsequently, whenever you see commercials, you can slide the gray bar of **(10) View Time-Shift Video** to the right a little to skip the commercials.

Note:

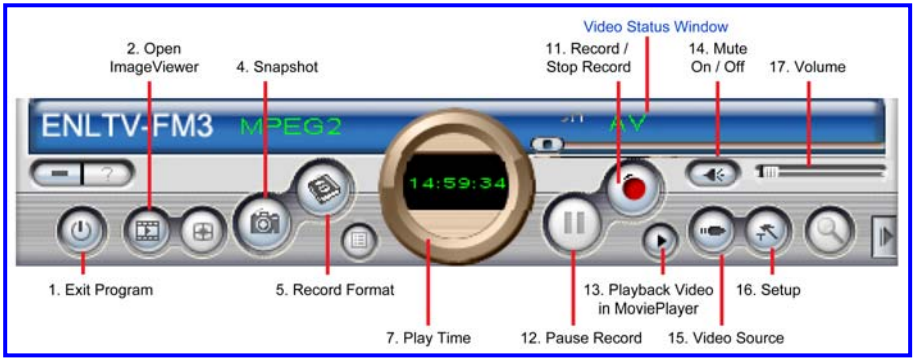
The default duration for Time-Shift recording is 10 minutes. We recommend you to change the duration to 60 minutes. To do so, 1st click **(16) Setup**, 2nd select the **Record** tab on the top, 3rd change **Time Displacement** to **60 minutes**, under the **Motion Capture Setting** section.

4.5 — Taking Snapshots



- To take a snapshot, click **(4) Snapshot** or press **[G] Snapshot** on the Remote Control.
- To view snapshots in ENLTV-FM3 / ENLTV-3 **ImageViewer**, click **(2) Open ImageViewer**. (**Note:** To use the **ImageViewer**, please refer to Page-26.)

4.6 — Watching and Recording from External Video Devices, such as Camcorders and VHS/DVD Players



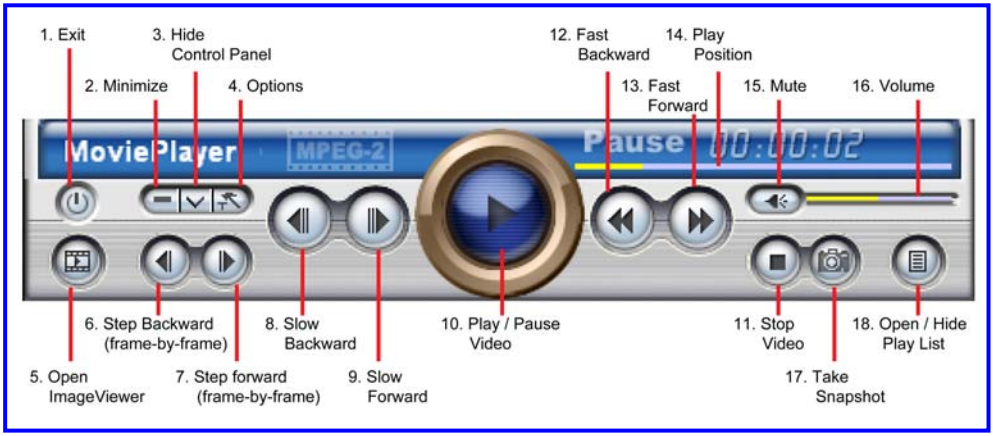
- The **Video Source Status** on control panel will indicate which video source is in the window now. Please refer to the illustration above.
- There are 3 ways to change display from **TV** to **AV** (**regular video** from the **yellow** video input port) or to **SV** (high-quality **S-Video** from the **black** video input port)
  1. Click **(15) Video Source** repetitively until you find the desirable video source
  2. Press **[F] TV / AV** on the Remote Control.
  3. Select **Switch** on the Right-Click Menu.
- To watch, record, and take snapshots of video from **AV** (regular video) or **SV** (S-video), the procedures are **the same as in TV mode**. Please refer to Page-21. However, Time-Shift recording and the following functions are disabled. They are:

  (3) TV Wall, (6) Channel List, (8) Channel Up,
  (9) Channel Down and (18) Search Channel.

Chapter 5: Playback Recorded Videos with MoviePlayer

Open MoviePlayer

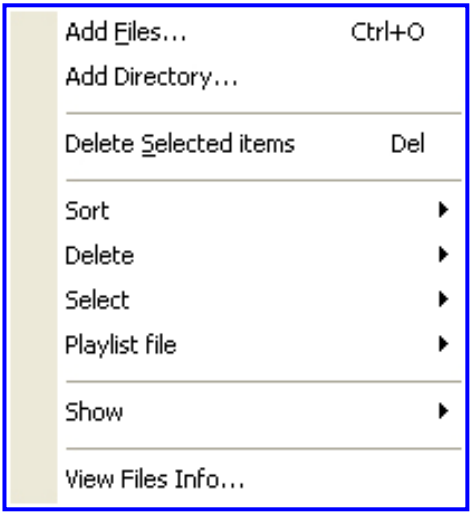
ENLTV-FM3 / ENLTV-3 MoviePlayer Overview



Sample Play List Window

- To view Play List, click **(18) Open / Hide Play List** on the control panel.
- To manage Play List, click **ADD** or **DEL** on the Play List window
- To play video, use the mouse to select the video you want to view in the Play List. Then, click **(10) Play /Pause**. Or, simply double-click on the video you want to watch.
- By **right click** on the Play List window, you will find more Play List commands.

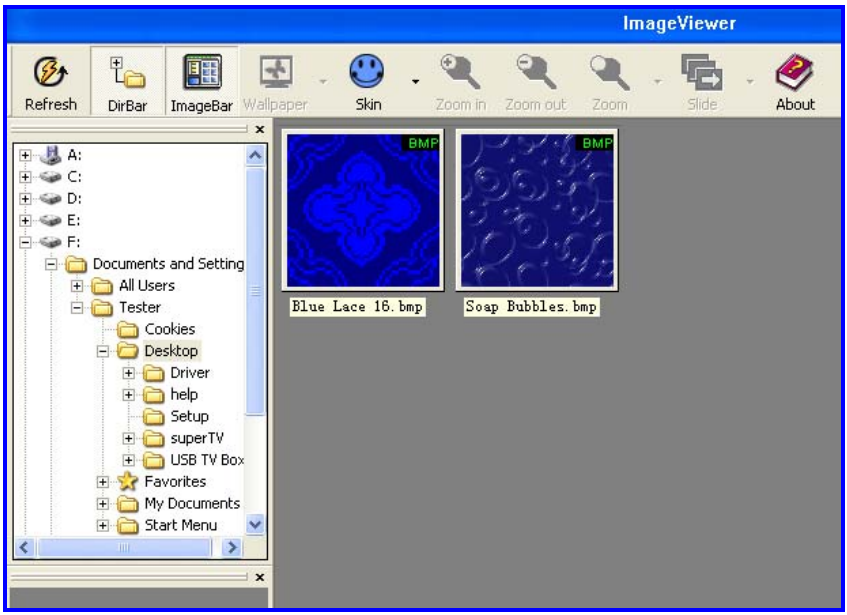
Play List Right-Click Menu



Chapter 6: Viewing Snapshots with ImageViewer

Open ImageViewer

Sample ImageViewer Window



- To view images, double-click on a thumbnail. Double-click on the image to go back to thumbnail mode again.
- Toolbar functions are explained in the next page

ImageViewer Toolbar

Refresh: refreshes the snapshot thumbnails in the current folder.

DirBar: opens or hides the File Directory Panel window on the left.

ImageBar: opens or hides the Preview window in the middle.

Wallpaper: sets the current image as wallpaper.
clicking on the triangle on the right, you can select wallpaper display options.

Skin: changes the skin of ImageViewer.

Zoom out: shrinks the image you are viewing currently.

Zoom in: enlarges the image you are viewing currently.

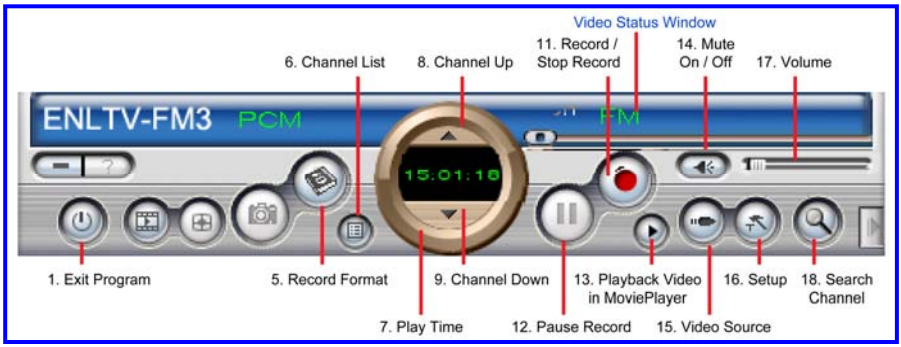
Zoom: provides 5 zoom options for your convenience by clicking on the triangle on the right.

Slide: starts slide show in Image mode.
By clicking on the triangle on the right, you can adjust the slideshow display interval.

Chapter 7: Listening to and Recording FM Radio

(*This function is only available in ENLTV-FM3)

Overview



- To open FM Radio, click **(15) Video Source** until **FM** appeared in the **Video Status Window**.
- To listen to and record audio from **FM Radio**, the procedures are **the same as in TV mode**. Please refer to Page-16. However, the following functions are disabled. They are:

  (2) Open ImageViewer, (3) TV Wall,

  (4) Snapshot, (10) View Time-Shift Video
- ENLTV-FM3 does not support AM Radio.

Chapter 8: Frequently Asked Questions

Q: *I can't use ENLTV-FM3 / ENLTV-3 when I run the software and an error message popped up.*

A: Below are two common scenarios:

1. Incorrect Sound Card Device Driver

- Check "**Device Manager**" in Windows®. Please refer to Page-9.
- Check the sound card settings in "**ENLTV-FM3 / ENLTV-3 utility program**." Go to

Setup→Device→Audio Input→Audio Device menu

to make sure the correct sound card is selected. (This happens to PC with more than one sound card and Bluetooth devices.)

2. The ENLTV-FM3 or ENLTV-3 driver and software does not match.

The driver and software should match. If **Step 1** cannot fix the problem, **uninstall** the driver and the software. Then, install them again from the Installation CD. If you lost the Installation CD, you can download them from our web site at http://www.encore-usa.com.

Q: *Why doesn't the "**Record**" function work? I can watch TV programs fine, but when I hit the "Record" button, nothing is saved to my hard drive.*

A: Below are three common scenarios:

1. This can be a Windows user account type or user rights issue. In Windows® Vista system, use "**Administrator**" user account type to login and try to record again.

2. Recording function requires the proper video CODEC to encode a movie. To make sure video CODEC resource is not being occupied, we suggest **reinstalling** the ENLTV-FM3 or ENLTV-3 utility software. The CODEC link will also be reset after reinstallation

3. Make sure that your computer meets the minimum system requirements.

Chapter 9: Technical Support

Please visit our website for the latest updates and support information at www.encore-usa.com.

International Support Hotlines

Argentina (Buenos Aires) (Córdoba)	 +54 11-6632-2120 +54 35-1568-1873	 soporte.argentina@encore-usa.com
Chile	+56 2-581-4903	soporte.chile@encore-usa.com
Colombia	+57 2-891-2696	soporte.colombia@encore-usa.com
Mexico	+52 55-2789-5414	soporte.mexico@encore-usa.com
Peru	+51 1-708-5421	soporte.peru@encore-usa.com
Spain	+34 912-919-405	soporte.espana@encore-usa.com
USA	+1 626-606-3108	support@encore-usa.com
Venezuela	soon	soporte.venezuela@encore-usa.com

* *Local tech-support numbers are provided in selectively countries. Service may change without prior notice. Please visit www.encore-usa.com for more details.*

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